

EC Type Examination Certificate

No.: EX5 00 12 42206 001



in accordance with Annex III of Council Directive No. 94/9/EC for equipment and protective systems intended for use in potentially explosive atmospheres (ATEX) for

ABB Instrumentation S.p.A.

Via Statale 113

22016 Lenno (Co)

Italy

Product: Sensors and Measurement Systems Gr II, Cat 1 and 2

Model: SAFETY 600T PRESSURE TRANSMITTERS

Parameters: see appendix (1 page)

The above mentioned product meets the provisions of the Directive.

This certificate is issued on the basis of the product provided for testing and certification and on its technical documentation. The detailed results of the test and the provided technical documentation are listed in

Test report no.: 70000968

This certificate pertains only to the sample product submitted to TÜV PRODUCT SERVICE for testing. Therefore this certificate has no specified period of validity.

Released with the above mentioned certificate number by the Certification Body of TÜV PRODUCT SERVICE.

Department:

IQSE / jb

Date:

06.12.2000

A handwritten signature in black ink, appearing to read 'J. Blum', written over the printed name 'J. Blum'.



TÜV PRODUCT SERVICE GMBH is a Notified Body in accordance with Council Directive 94/9/EC for equipment and protective systems intended for use in potentially explosive atmospheres with the identification number 0123.

Appendix to EC Type Examination Certificate

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1 SAFETY 600T PRESSURE TRANSMITTERS

2 Description

The intrinsically safe apparatus 600T Safety Pressure Transmitter is designed to measure a process pressure, intended for use in potentially explosive atmospheres.

Type of protection for the electrical apparatus:

EEx ia IIC T5 ($T_{amb} = 40^{\circ}\text{C}$), EEx ia IIC T4 ($T_{amb} = 85^{\circ}\text{C}$)

3 Electrical Data

3.1 4 to 20 mA current loop

(Input + / -)

Voltage, U_i	crest value DC 30 V
Current, I_i	crest value DC 0,1 A
Power, P_i	crest value 0,75 W
internal capacitor, C_i	negligible
internal inductance, L_i	negligible

4 Identifying marking

The legible and durable marking must include the following option list:

- Name and address of the manufacturer,
- CE-marking (Annex X, point A directive 94/9/EC),
- designation of series or type / serial number,
- year of construction,
- the specific marking Ex II 1G EEx ia IIC T5 ($T_{amb} = 40^{\circ}\text{C}$), T4 ($T_{amb} = 85^{\circ}\text{C}$)

5 Intended use in potentially explosive atmospheres

Pay attention to intended use in potentially explosive atmospheres by detailed instructions for safe use by the manufacturer according Annex II directive 94/9/EC.

6 Production quality assurance and CE marking

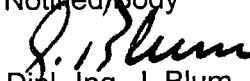
The manufacturer shall operate an approved quality system for production, final equipment inspection and testing according Annex X directive 94/9/EC.

Munich, January 17th 2001

TÜV PRODUCT SERVICE GMBH

IQSE

Notified Body


Dipl.-Ing. J. Blum